F—Li

L82 ANSWER 74 OF 74 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1983:602409 HCAPLUS Full-text
DN 99:202409
OREF 99:31037a,31040a
TI Lithium solid electrolyte battery
PA Toshiba Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 58075779	A	19830507	JP 1981-172927	19811030 <--
PRAI JP 1981-172927		19811030 <--		

AB A thin Li solid electrolyte battery comprises a Li anode, a thin film solid electrolyte layer obtained by incorporating ≥1 selected from LiClO4, LiF, LiCl, Li2CrO4, LiAlCl4, LiBF4, and LiPF6 1-50 mol% to a resin selected from poly(vinylidene fluoride), vinylidene fluoride-CHClCCl2 polymer, vinylidene fluoride-CHFCF2 polymer, vinylidene fluoride-C2F4 polymer, polyacrylonitrile, poly(Me methacrylate), poly(vinyl chloride), poly(vinyl acetate), and poly(vinylpyrrolidone), and a cathode containing as active material ≥1 compds. selected from TiS2, FeS2, VS2, MoS2, NiPS3, FePSe3, CoO2 containing small amts. of Li, V2O5, MoO3, WO3, Bi2O5, Cu2S, MoS3, PbI2, BiI3, and SbI3. The low cost battery has a stable open-circuit voltage over a long period of time.

IC H01M0006-18
CC 72-3 (Electrochemistry)
Section cross-reference(s): 52
ST lithium solid electrolyte battery
IT Batteries, primary
(lithium, solid-electrolyte)
IT 7439-93-2, uses and miscellaneous
RL: USES (Uses)
(anodes, in solid-electrolyte batteries)
IT 1304-76-3, uses and miscellaneous 1313-27-5, uses and miscellaneous
1314-35-8, uses and miscellaneous 1314-62-1, uses and miscellaneous
1317-33-5, uses and miscellaneous 1317-40-4 7787-64-6 7790-44-5
10101-63-0 12033-29-3 12039-13-3 12068-85-8 12166-28-8
20642-13-1 21906-52-5
RL: DEV (Device component use); USES (Uses)
(cathodes containing, for lithium batteries)
IT 12017-00-4
RL: PRP (Properties)
(cathodes, containing lithium, for lithium batteries)
IT 7447-41-8, uses and miscellaneous 7789-24-4, uses and miscellaneous
RL: USES (Uses)
(electrolyte, lithium solid-electrolyte batteries)
IT 553-91-3 7791-03-9 14024-11-4 14283-07-9 21324-40-3
RL: PRP (Properties)
(electrolyte, lithium solid-electrolyte batteries)

IT 9002-86-2 9003-20-7 9003-39-8 9011-14-7 24937-79-9
25014-41-9 25684-76-8 28960-88-5 87465-25-6
RL: PRP (Properties)
(solid electrolyte containing, for lithium batteries)
IT 7789-24-4, uses and miscellaneous
RL: USES (Uses)
(electrolyte, lithium solid-electrolyte batteries)
RN 7789-24-4 HCAPLUS
CN Lithium fluoride (LiF) (CA INDEX NAME)

IT 9002-86-2 24937-79-9 25014-41-9
RL: PRP (Properties)
(solid electrolyte containing, for lithium batteries)
RN 9002-86-2 HCAPLUS
CN Ethene, chloro-, homopolymer (CA INDEX NAME)

CM 1

CRN 75-01-4
CMF C2 H3 Cl

RN 24937-79-9 HCAPLUS
CN Ethene, 1,1-difluoro-, homopolymer (CA INDEX NAME)

CM 1

CRN 75-38-7
CMF C2 H2 F2

RN 25014-41-9 HCAPLUS
CN 2-Propenenitrile, homopolymer (CA INDEX NAME)

CM 1

CRN 107-13-1
CMF C3 H3 N